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COTTON LITERATURE

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AND PLANT QUARANTINE

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COTTON LITERATURE is compiled mainly from material received in the Library of the U. S. Department of Agriculture.

Copies of the publications listed herein can not be supplied by the Department except in the case of publications expressly designated as issued by the U. S. Department of Agriculture. Books, pamphlets, and periodicals mentioned may ordinarily be obtained from their respective publishers or from the Secretary of the issuing organization. Many of them are available for consultation in public or other libraries.

THE INDEX TO VOLUME 5, FOR 1935, HAS RECENTLY BEEN DISTRIBUTED.

PRODUCTIONBotany

1216. Gomes, Pimentel. A reacção algodoeira. Parahyba, Directoria de Fomento da Producção e de Pesquisas Agronomicas Boletim 3(10,11,12):21-22. October, November, December 1937. (Published at Joao Pessoa, Parahyba, Brazil) 9.2 P2121
Reaction of the cotton plant.
1217. Moscow. Biologicheskii inst. im. k.a. Timiriazeva-- Fitamorfogeneza, Otdelenie. Abhandlungen. Vol. I. 755pp. Moscow, 1933-35. 451 M852
In Russian. English summaries.
Partial contents: A morphogenetical analysis of the cotton plant (*Gossypium* Linn.) by N.P. Krenke. I. The variability of the bolls of the cotton plant, pp.419-526; II. The variability of the segmentation of the leaves of the cotton plant, pp.529-595.

See also Items nos. 1482, 1483, 1484.

Genetics and Plant Breeding

1218. Avtonomov, A.I. [Breeding work with Egyptian cotton.] Leningrad. Akademiia sel'skokhoziaistvennykh nauk imeni V.I. Lenina. Biulleten 12, pp.7-9. Moscow. 1936. 20 L54B
In Russian.
Noted in Imperial Bureau of Plant Breeding and Genetics, Plant Breeding Abstracts 8(2):155-159. January 1938.
1219. Chiang, S.C. Reviews of emasculate methods in cotton. Agr. Assoc. China, Jour., no.163, pp.87-90. August 1937. (Published by Agricultural Association of China, 14 Shuang-lung-hsiang, Kulon, Nanking, China) C 22.5 Ag862
In Chinese.
Noted in Imperial Bureau of Plant Breeding and Genetics, Plant Breeding Abstracts 8(2): 155-159. January 1938.
1220. Chi-Pao, Y. Chinese cotton plant: chlorophyll content and genetics. Textile Inst. Jour. 28(9): A520. September 1937. (Published at 16 St.

Mary's Parsonage, Manchester, 3, England)
73.9 T31

From Nanking, Natl. Centr. Univ., Jour. Agr. Research 1(2):109-134. 1934.

"Considerable varietal differences in chlorophyll content were observed in Chinese cottons. In F₁ hybrids the chlorophyll content was less than in either parent. The content was nearly identical in direct and reciprocal hybrids, suggesting that the character is subject in this case to nuclear rather than to plasmatic control. There appeared to be some correlation between the period of ripening and the chlorophyll content.-C."

1221. Evans, Sir Geoffrey. Note on Dr. Mason's article on the technique of cotton breeding. Empire Cotton Growing Rev. 15(2):118-120. April 1938. (Published by P.S. King & Son, Ltd., 14, Great Smith St., London, S.W.1, England) 72.8 Em7

1222. Faria, Carlos. Seleccao e variedades do algodao herbaceo. Parahyba, Boletim da Directoria de Fomento da Produccao e de Pesquisas Agronomicas 3(10,11,12):28-29. October, November, December 1937. (Published at Joao Pessoa, Parahyba, Brazil) 9.2 P2121

Selection and varieties of herbaceous cotton.

1223. Kanash, S.S. [Hybridization work with species of cotton with different chromosome numbers.] Lenin-grad. Akademiia sel'skokhoziaistvennykh nauk imeni V. I. Lenina. Biulleten 12, pp.9-10. Moscow. 1936. 20 L54B

In Russian.

Noted in Imperial Bureau of Plant Breeding and Genetics, Plant Breeding Abstracts 8(2):155-159. January 1938.

1224. Mason, T.G. A note on the technique of cotton breeding. Empire Cotton Growing Rev. 15(2):113-117. April 1938. (Published by P.S. King & Son, Ltd., 14, Great Smith St., London, S.W.1, England) 72.8 Em7

See also Items nos. 1231, 1482, 1483, 1502, 1508.

Agronomy

1225. Benefits from cotton seed treatment with mercury dust demonstrated by results in South Carolina and Georgia. Agr. News Letter 6(4):58-59. April 1938. (Published by E. I. DuPont de Nemours & Co., Wilmington, Del.) 6 D92
1226. Brown, C.H. Exit Giza ?? Propagating new varieties of cotton. Manchester Guardian Com., Egypt, Apr.1, 1938, pp.15,19. (Published at Guardian Bldg., 3 Cross St., Manchester, 2, England) 286.8 M315C
Experiments by the Botanical Section of the Egyptian Ministry of Agriculture are described.
1227. Brown, C.H. Future of Egyptian cotton varieties. Textile Mercury and Argus 98(2550):158. Feb.4, 1938. (Published at 41, Spring Gardens, Manchester, England) 304.8 T318
Paper read at International Cotton Congress Cairo-Alexandria, January-February 1938.
1228. Carload of Acala seed distributed. Cotton growers of Greenville [Texas] area buy quality seed at actual cost. Tex. Co-op. News 18(4):1. Apr.15,1938. (Published by Texas Co-operative Publishing Co., Inc., 601 Taylor St., Fort Worth, Tex.) 72.9 T315F
1229. Création de sous-stations expérimentales au Congo. Comité Cotonnier Congolais, Bulletin Trimestriel 3(9):37. April 1938. (Published at 27, rue du Trône, Brussels, Belgium)
Creation of experimental (cotton) sub-stations in the Congo.
1230. A cultura do algodoeiro. A queda dos botoes floríferos e das maçãs--Como resolver esse phenomeno denominado "shedding" nos. E.U. Revista da Sociedade Rural Brasileira 18(211):29. March 1938. (Published at Rua Libero Badaro, 314, Sao Paulo, Brazil) 9.2 B733
Cultivation of cotton. The fall of flower buds and bolls - How to treat this phenomenon called "shedding" in the United States.
1231. Datta, Robindra Mohan. Agricultural research in China. Current Sci. 6(1):36-37. July 1937. (Published by Indian Institute of Science, Hebbal P.O., Bangalore, India) 475 Sci23
"Selection from local forms, hybridization and variety tests are conducted in connection

with the improvement of cotton."-Empire Cotton Growing Rev. 15(2):158. April 1938.

1232. Effects of fertilizer placements on germination and yields of cotton. Agr. Educational Bull. 14 (5 & 6):69-82. January and February 1938. (Published by the Department of Agricultural Education, School of Vocational Education, Clemson Agricultural College, Clemson, S.C.) 275.8 C59
1233. Faria, Carlos. O problema algodoeiro na Parahyba. Ouro Branco 3(10):20,22-23. February 1938. (Published at R. Quintino Bocayuva, 54, Sao Paulo, Brazil)
The cotton problem in Parahyba.
1234. Gomes, Pimentel. Campo experimental de Pilar. Parahyba, Boletim da Directoria de Fomento da Produccao e de Pesquisas Agronomicas 3(10,11,12):14-15. October, November, December 1937. (Published at Joao Pessoa, Parahyba, Brazil) 9.2 P2121
Experimental field of Pilar.
Cotton experiments are noted.
1235. [Harper, Horace J.] Yield increased by holding water. Cotton Digest 10(26):10. Apr.2,1938. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822
Tests at Oklahoma A. & M. College on relation of soil fertility to yield and quality.
1236. Hutchinson, J.B. Recent improvements in Indian cottons. Trop. Agr. [Trinidad] 15(4):83-84. April 1938. (Published by the Imperial College of Tropical Agriculture, Trinidad, B.W.I.) 26 T754
Efforts to improve the quality of Indian cottons are noted.
1237. India. Burma. Department of agriculture. Report on the operations...for the year ended the 31st March 1937. 219pp. Rangoon, 1937. 22 B92Re
Cotton cultivation is mentioned throughout the report.
1238. Indian science congress. Proceedings of the twenty-fourth...Hyderabad, 1937, (fourth circuit). 614pp. Calcutta, Royal Asiatic Society of Bengal, 1937. 513 In22
The following abstracts are given: The detection and estimation of degradation in cotton--

a review, by R.P. Forster and K. Venkataraman, pp.183-184; Studies on some aspects of the water-relations of the cotton plant. Part I, by T. Ekambaram and C. Jagannatha Rao, p.270; The spacing of desi cotton (Campore 520) in Gang Canal Colony, Bikaner State, by Shamsker Singh and G.K. Sant, pp.363-364; A note on sowing cotton in experimental plots, by K. Sawhney, p.364; Soil fertility and moisture relationships in relation to growth and yield of rain-grown cotton in Malwa, by P.M. Salvekar and G.K. Sant, pp.364-365; Mysore cottons and their importance, part IV. Is it possible to develop in 'desi' variety a strain through hybridization to replace American cottons?, by Rangnath Rao, p.366; Studies on some aspects of the water-relations of the cotton plant. Part II, by T. Ekambaram and C. Jagannath Rao, p.367; Nature of the cause of gum formation in Pempheros attacked cotton plants, by S. Kasinathan, pp.367-368; Cotton jassids and hairiness of cotton plant, by M. Afzal Husain and K.B. Lal, p.368; Observations on the life history of pink bollworm (*Platyedra gossypiella* Saund) at Parbhani, by H.D. Mangpal, H.T. Nadkerny and T.E. Krishnaswamy, p.368; Border effects in manurial experiments on cotton, by B.M. Dabral and S.S. Chiney, pp.374-375.

1239. [Kime, Paul H., and Rankin, W.H.] Seven factors control cotton profits. *Farm Ideas* 2(4):7. April 1938. (Published at 10 West 26th St., Minneapolis, Minn.) 58.8 F229

The seven factors are growing the cotton on a fairly fertile, adapted soil; preparing the seed bed thoroughly; using the proper fertilizers in the right amounts; using good seed of the best varieties; securing uniform stands; leaving the cotton fairly thick on the row; and following sound cultivation methods.

1240. Letunov, P.A. Summaries of work, connected with drawing up and using soil agrochemical maps on the collective farms of cotton growing machine-tractor stations and prospects of the further scientific and practical work in collective farms and machine-tractor stations. *Chemisation of Socialistic Agr.* no.1, pp.15-27. Moscow, 1938. 385 C424

1241. Lombardon, de. Notes sur la culture du coton dans le delta du Nil. Association Cotonnière Coloniale Bulletin Trimestriel 36(30):35-38. April 1938. (Published at 55, Rue de Châteaudun, Paris, IX^e, France) 72.9 As7

Notes on the cultivation of cotton in the Nile Delta.

1242. Lugard, W.J. La culture cotonnière en Oubangui-Chari (A.E.F.) et au Congo-Ubangi (Congo belge). Association Cotonnière Coloniale, Bulletin Trimestriel 35(28):100-102. October 1937. (Published at 55, Rue de Châteaudun, Paris IX^e, France) 72.9 As7

Cotton cultivation in Oubangui-Chari (A.E.F.) and in Congo-Ubangi (Belgian Congo).

The cultivation of cotton in these two districts is progressing rapidly and with almost equal speed. One region is French, the other Belgian, and the writer draws attention to the similarity of treatment."-Empire Cotton Growing Rev. 15(2):157. April 1938.

1243. Results extensive tests upon cotton seed are available. Fifteen varieties tested continuously for five years. Acala leads in results. Tex. Co-op. News 18(4):6. Apr.15,1938. (Published by Texas Co-operative Publishing Co., Inc., 601 Taylor St., Fort Worth, Tex.) 72.9 T315F

Tests were made at the Agricultural Experiment Station at Greenville, Tex.

1244. Sampson, H.C. Some reminiscences of work on the cotton crop. II. Empire Cotton Growing Rev. 15(2):129-135. April 1938. (Published by P.S. King & Son, Ltd., 14, Great Smith St., London, S.W.1, England) 72.8 Em7

"In India it is a much easier task to effect the improvement of an indigenous than of an exotic race of cotton. The former has been in cultivation in the same locality perhaps for centuries and has thus had ample time to adjust itself to the soil types and cultural conditions imposed on it by man. There is not, therefore, the same liability to fluctuations in the quality of the lint from one season to another. In my experience also the indigenous cottons are not nearly so liable to attacks of insects and diseases as are exotics."

1245. Southwestern soil improvement committee. Planning for the 1938 cotton crop. Amer. Fert. 38(6):12-13. Mar.19,1938. (Published at 1330 Vine St., Philadelphia, Pa.) 57.8 Am3
The value of fertilizer in increasing yield per acre is given.
1246. Wahba, Mourad. Agriculture's many branches. Improving the cotton and wheat yields, Manchester Guardian Com., Egypt, Apr.1,1938, pp.12,14. (Published at Guardian Bldg., 3 Cross St., Manchester, 2, England) 286.8 M315C
Table and chart show yield of cotton in Egypt 1894-1937. Table also shows area and production.
1247. Weather blamed for poor Texas crop. Cotton Digest 10(28):9. Apr.16,1938. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 236.82 C822
Testimony of M.A.McCall before the House Committee on Appropriations is noted.

See also Items nos. 1265, 1340, 1344, 1345, 1349, 1350, 1351, 1353, 1354, 1355, 1356, 1360, 1362, 1468, 1470, 1483, 1484, 1492, 1493, 1494, 1495, 1498, 1502, 1506, 1507, 1508, 1510.

Diseases

1248. Cotton disease problem solved. Proved that verticillium wilt fungus is carried on seed. Ariz. Producer 17(2):9. Apr.1,1938. (Published at 313 North Third Ave., Phoenix, Ariz.) 6 Ar44
1249. Morrow, Marie B., Roberts, James L., Adams, James E., Jordan, H.V., and Guest, Paul. Establishment and spread of molds and bacteria on cotton roots by seed and seedling inoculation. Jour. Agr. Research 56(3):197-207. Feb.1,1938. (Published by the United States Department of Agriculture, Washington, D.C.) 1 Ag84J
Literature cited, p.207.
1250. Rogers, C.H., and Watkins, G.M. Strand formation in Phymatotrichum omnivorum. Amer. Jour. Bot. 25(4):244-246. April 1938. (Published by the Wickersham Co., Lancaster, Pa.) 450 Am36

See also Items nos. 1230, 1468, 1482, 1483.

Insects

1251. Campana de erradicacion del gusano rosado del algodón en la region norte y nordeste de Puerto Rico--1937. Revista de Agricultura, Puerto Rico 30(1):197. March 1938. (Published at San Juan, Puerto Rico) 8 R325
 Campaign of eradication of the pink bollworm of cotton in the north and northeast region of Puerto Rico--1937.
1252. Cherian, M.C., and Kylasam, M.S. Jassids on cotton. Madras Agr. Jour. 26(2):76-77. February 1938. (Published by the Madras Agricultural Students' Union, Agricultural College and Research Institute, Coimbatore, S. India) 22 M262
1253. [Clapp, Alston Sr.] South-wide war on cotton insect pests to lower production costs. Greater efficiency of production vital to cotton prosperity, view. Cotton Trade Jour. 18(19):6-7. Apr. 30, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
 Address before East Texas Chamber of Commerce April 27, 1938.
1254. Gwynn, A.M. Factors affecting the attacks of sucking insects on cotton. East African Agr. Jour. 3(4):314-318. January 1933. (Published at P.O. Box 128, Nairobi, East Africa) 24 E974
 Factors include plant health, climate, varietal resistance, and natural enemies.
1255. Iyriboz, Nihad. Pamuk hastaliklari. 85pp. Ankara, 1937. (Turkey. Pamuk bürosu, sayi 1) 72.9 T84
 Cotton pests.
1256. Jackson, Burris C. Insect control section established by State-wide cotton committee of Texas. Acco Press 16(4):10. April 1938. (Published by Anderson, Clayton & Co., Houston, Tex.) 6 Ac2
1257. Ousley, Clarence. Insect control. Cotton and Cotton Oil Press 39(16):16. Apr. 16, 1938. (Published at 3116-18 Commerce St., Dallas, Tex.) 304.8 C822
 Editorial on the history of insect control in the United States.

1258. Plagas de insectos en los campos de algodón en Canete. Vida Agrícola 15(172):220-222. March 1938. (Published at Casilla no.1159, Nunez 26-A, Lima, Peru) 9.8 V66
Plagues of insects in the cotton fields in Canete.
1259. Sao Paulo (city). Instituto biologico. Archivos... v.8. 322pp. Sao Paulo, 1937. 442.9 Sa6
Archives...v.8.
Partial contents: A bróca do algodoeiro do Brasil *Gasterocercodes brasiliensis* Hambleton (Col. Curcul.) (The borer of the cotton plant of Brazil *Gasterocercodes brasiliensis* Hambleton (Col. Curcul.)), by E. J. Hambleton, pp.47-106; O aparecimento de *Phlyctaenodes bifidalis* (Fab.) como praga do algodoeiro no Brasil (Lep. Pyraustinae) (The appearing of *Phlyctaenodes bifidalis* (Fab.) as a pest of the cotton plant in Brazil (Lep. Pyraustinae)), by H.F.G. Sauer, pp.201-210; *Rhabditis Hambletoni* n.sp., nema aparentemente semiparasito da "Broca do algodoeiro" (*Gasterocercodes brasiliensis*) (*Rhabditis Hambletoni* n. sp., not apparently semiparasite of the "Borer of the cotton plant" (*Gasterocercodes brasiliensis*)), by C. Pereira, pp.215-230; A existencia da *Platyedra gossypiella* (Saunders) na floração dos algodoeiros em S. Paulo, durante 1936-37 (The existence of *Platyedra gossypiella* (Saunders) in the flower of the cotton plants in Sao Paulo, during 1936-1937), by E.J. Hambleton, pp.249-254.
1260. Sloan, W.J.S. Corn-ear worm in this season's cotton crop. Queensland Agr. Jour. 49(3):270-271. Mar.1,1938. (Published by Department of Agriculture and Stock, Brisbane, Queensland, Australia) 23 Q33
1261. Sloan, W.J.S. The leaf-eating pests of cotton. Queensland Agr. Jour. 49(3):271. Mar.1,1938. (Published by Department of Agriculture and Stock, Brisbane, Queensland, Australia) 23 Q33
Methods of control of the cotton leaf-eating looper are given.
1262. Texas ginners ask for unified insect control. Cotton Trade Jour. 18(17):8. Apr.16,1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
Resolutions urging boll weevil control passed by the Texas Cotton Ginners' Association are noted.

1263. Thomas, F.L. Cotton insect situation in Texas
Cotton and Cotton Oil Press 39(17):15. Apr. 23,
1938. (Published at 3116-18 Commerce St., Dal-
las, Texas.) 304.8 C322
1264. Valdivia A., A. Que es el gusano rosado que per-
fora la capsula del algod6n y como se combate.
Agricultor Venezolano 2(22):15-17. February 1938.
(Published by Ministerio de Agricultura y cria,
Caracas, Venezuela). 9.95 Ag8
What the pink bollworm which perforates the
cotton boll is and how to fight it.

See also Items nos. 1238, 1465, 1468, 1477, 1482,
1484, 1508.

Farm Engineering

1265. Gorelov, V.P. The mechanization of cotton growing.
Mechanization and Electrification of Socialist
Agr. no. 11, pp. 47-49. November 1937. (Published
at Moscow, U.S.S.R.) 58.8 M46
In Russian.
1266. Joly, R. Louis. La culture m6canique du cotonnier.
Notions fondamentales de moto-culture. Le choix
technique du tracteur agricole. Association
Cotonni6re Coloniale Bulletin Trimestriel 36(30):
48-50. April 1938. (Published at 55, Rue de
Châteaudun, Paris IX^e, France) 72.9 As7
The mechanical cultivation of cotton. Funda-
mental ideas of motor-culture. The technical
choice of the farm tractor.
1267. Machines may save cotton. Amer. Ginner and Cotton
Oil Miller 15(6):8. February 1938. (Published at
P.O. Box 504, Little Rock, Ark.) 72.8 Am35
Editorial.
Also in Cotton Trade Jour. 18(11):6. Mar. 12,
1938.
1268. Mechanical chopper. Amer. Cotton Grower 3(11):12.
April 1938. (Published at 535 Gravier St., New
Orleans, La.) 72.8 Am32
The illustration shows the Dixie cotton chop-
per at work.
1269. Taylor, Paul S. Power farming and labor displace-
ment in the cotton belt, 1937. Part 1.--Northwest
Texas. Monthly Labor Rev. 46(3):595-607. March

1938. (Published by U.S. Department of Labor,
Bureau of Labor Statistics, Washington, D. C.)
158.6 B87M

"There has been much talk about labor displacement in the future when the mechanical cotton picker is perfected. The fact is that heavy displacement of farmers and laborers, as a result of increasing mechanization, is already in progress in several important cotton areas. The cause, however, is not the picker machine, but the tractor."

Farm Management

1270. Coker, David R. We must expect low-priced cotton. But here are four ways to cut costs and increase returns. Prog. Farmer (Car.-Va. ed.) 53(3):15. March 1938. (Published at Professional Bldg., Raleigh, N.C.) 6 P945

The author suggests government payments, boll weevil control, keep poor land out of cotton, grow better staple, and better farm management.

1271. Hopkins, David R. Blessed is the cotton farmer who-- Prog. Farmer (Car.-Va. ed.) 53(3):16. March 1938. (Published at Professional Bldg., Raleigh, N.C.) 6 P945

Farm management practices to improve returns from cotton are suggested.

1272. Stine, O.C. Cotton farmers' income reduced. Agr. Situation 22(4):10-11. Apr. 1, 1938. (Published by United States Department of Agriculture, Bureau of Agricultural Economics, Washington, D.C.) 1 Ec7Ag

Table and chart show farm income from cotton lint and cottonseed in the United States, 1910-1937.

1273. Wages in cotton picking, 1937. Monthly Labor Rev. 46(3):755-756. March 1938. (Published by U.S. Department of Labor, Bureau of Labor Statistics, Washington, D.C.) 158.6 B87M

Table shows rates by States, 1929 and 1934 to 1937.

1274. Whitaker, Francis H., and Harrell, G.D. Farm income from cotton and cottonseed, calendar years 1910-1937. 59pp., processed. Washington, United States Department of Agriculture, 1938.

Tables show sales and cash income from cotton and cottonseed by States, 1910-1937, and quantity

and value of cotton and cottonseed in possession of farmers January 1, 1910-1937, by States.

Farm Social Problems

1275. Brannen, C.O. Problems of croppers on cotton farms. Jour. Farm Econ. 20(1):153-161. February 1938. (Published by American Farm Economic Association, 450 Ahnaip St., Menasha, Wis.) 280.8 J822
1276. The drift of the tide. Staple Cotton Rev. 16(4): 1-3. April 1938. (Published by the Staple Cotton Cooperative Association, Greenwood, Miss.) 72.8 St22
A landlord-tenant contract said to have been devised by the Staple Cotton Discount Corporation is commented upon.
1277. Randall, C.C. The landlord-tenant problem in Arkansas. Mid-So. Cotton News 15(10):5. April 1938. (Published at 822 Falls Bldg., Memphis, Tenn.) 72.8 C8295
1278. Smith, T. Lynn. Discussion. Jour. Farm Econ. 20(1):161-162. February 1938. (Published by American Farm Economic Association, 450 Ahnaip St., Menasha, Wis.) 280.8 J822
Discussion of "Problems of croppers on cotton farms", by C.O. Brannen.

See also Items nos. 1269, 1273, 1354.

Cooperation in Production (One-Variety Communities)

1279. Adam, D.A. Organize for cotton improvement. Farm and Ranch 57(8):13. Apr. 15, 1938. (Published at 3306 Main St., Dallas, Tex.) 6 T31
"The organization of six one-variety communities in as many gin centers, and the Young County Cotton Improvement Association" is reported.
1280. [Bredthauer, D.F.] Floyd leads in one-variety cotton. Farm and Ranch 57(8):14. Apr. 15, 1938. (Published at 3306 Main St., Dallas, Tex.) 6 T31
The results in Floyd County, Texas, are described.
1281. East Texas one-variety-cotton community contest. Farm and Ranch 57(8):22, 26. Apr. 15, 1938. (Published at 3306 Main St., Dallas, Tex.) 6 T31
The rules and regulations are given.

1282. [U.S. Department of agriculture. Bureau of plant industry.] Cotton improvement in standardized, one-variety communities. [17pp.] processed. [Washington, D.C., 1938]
A proposed outline for organizing one-variety communities is given.

See also Item no. 1486.

PREPARATION

Ginning

1283. Bennett, Charles A., and Gerdes, F.L. Stoneville cotton driers promise relief in ginning of wet cotton. Experiment station finds way to meet difficulties of wet picking season. Cotton Trade Jour. 18(18):1,6. Apr.23,1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
Illustrated with pictures of the Cotton Ginning Laboratory at Stoneville, Miss.
1284. Campbell, Ivan J. Ginning conference points way to cotton quality improvement. Cotton and Cotton Oil Press 39(15):3-4,9. Apr.9,1938. (Published at 3113-13 Commerce St., Dallas, Tex.) 304.8 C822
Report of "the annual Cotton Ginning Conference of the Agricultural Extension Services of the Southern states and the United States Department of Agriculture held in Dallas April 4 through April 8."
1285. Cotton gin filter held to raise quality. Daily News Rec. no.75, p.14. Mar.31,1938. (Published at 8 East 13th St., New York, N.Y.) 286.8 N48
"Invention of a filter that removes foreign matter from cotton while it is being ginned was announced" by F.E. Wilson and M.L. Thompson of Arkansas.
Also in Textile Bull. 54(6):19. Apr.7,1938.
1286. 5,000 ginners throng Dallas in twin meet. Cotton Trade Jour. 18(16):1,4. Apr.9,1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
Report of a combined meeting of the Texas Cotton Ginners Association and the National Cotton Ginners Association April 6-8,1938.
Also in Cotton Digest 10(27):13. Apr.9,1938;
Cotton and Cotton Oil Press 39(15):5,12. Apr.9, 1938.

1287. Gerdes, G.A. Show way to higher gin quality of cotton through new gadgets. Technologist warns cooperation necessary, machines an aid. Cotton Trade Jour. 18(19):5. Apr. 30, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
1288. [Herrmann, Omer W.] Fundamentals and essentials of successful co-op gins outlined. Tremendous growth of the movement demands caution. Tex. Co-op. News 18(4):2. Apr. 15, 1938. (Published by Texas Co-operative Publishing Co., Inc., 601 Taylor St., Fort Worth, Tex.) 72.9 T515F
1289. Perfect new cotton filter at Memphis. Cotton Trade Jour. 18(18):4. Apr. 23, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
The filter invented by Frank Graham and results obtained from it are described.
1290. Pilette, M. Les égreneuses à brosses comparées aux égreneuses air blast. Comité Cotonnier Congolais, Bulletin Trimestriel 2(5):33-43. April 1937. (Published at 27, rue du Trône, Brussels, Belgium) 72.9 C732
Brush gins compared with air blast gins.
"The working parts of various brush and air-blast saw gins are shown in diagrams and discussed and recent experiments by Bennett with the Murray gin are summarised."-Textile Inst. Jour. 28(8):A413. August 1937.
1291. Pilette, M. Les risques d'incendie dans les usines d'égrenage. Comité Cotonnier Congolais, Bulletin Trimestriel 2(4):16-18. January 1937. (Published at 27, rue du Trône, Brussels, Belgium) 72.9 C732
Fire risks in the ginnery.
"Facts and figures are adduced to show how grave is the danger of outbreaks of fire in ginneries. A brief account is given of the most common causes of such fires. Foreign matter in the cotton, charges of static electricity accumulated in parts of the machinery, use of wet cotton and badly-kept saws are among the most frequent causes. A list of precautions is given."-Textile Inst. Jour. 28(5):A240. May 1937.

1292. Preliminary experiments on new cotton gin. Textile Bull. 54(3):16-17. Mar.17,1938. (Published by Clark Publishing Co., 118 West Fourth St., Charlotte, N.C.) 304.8 So82

A demonstration of the Watson centrifugal gin is reported by the Staple Cotton Co-operative Association.

1293. Texan exhibits new cotton dryer. Cotton Digest 10 (27):14. Apr.9,1938. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822

1294. Wade, Homer D. Texas cooperative ginners end regional meetings over state with enthusiastic annual session. All meetings indicate closer co-operation and increased interest in group effort. Coops commended for cotton research laboratory work. Tex. Co-op. News 18(4):3. Apr.15,1938. (Published by Texas Co-operative Publishing Co., Inc., 601 Taylor St., Fort Worth, Tex.) 72.9 T315F

See also Items nos. 1296, 1297, 1340, 1417, 1468, 1491.

Baling

1295. "Air-cut" bales not chargeable to compression. Jonesboro compress manager writes Pearse of investigation result. Cotton Trade Jour. 18(18):3. Apr.23,1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

A letter from Fred Mathis is given.

1296. Downer, Will. Here's an idea for you. Amer. Cotton Grower 3(11):12. April 1938. (Published at 535 Gravier St., New Orleans, La.) 72.8 Am32

"If the gins had a way of ginning the remnants of each farmer, weighing out his lint and seeds, and then separate the middling grades into hoppers to await the accumulation of bale weight, the farmer could be paid the market price on his remnants. This would warrant his picking, rather than snapping, the last of his crop, because he could then afford to pay picking wages... The gins could do a better job of ginning. But more important, the market wouldn't be flooded with mixed quality bales."

1297. International spinners fight air-cut bales. Seek American and Brazilian cooperation, hit ginning of wet cotton. Cotton Trade Jour. 18(15):1,8. Apr. 2, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
Resolutions adopted at the International Cotton Congress, Egypt, 1938, are given.
Summary in Manchester Chamber of Com. Monthly Rec. 49(3):127-128. Mar. 31, 1938.
1298. [Norris, P.K.] Better cotton in a better package is necessary to regain markets. Antiquated and inadequate practices must be changed. Tex. Co-op. News 18(4):7. Apr. 15, 1938. (Published by Texas Co-operative Publishing Co., Inc., 601 Taylor St., Fort Worth, Tex.) 72.9 T315F
Address before "farmers and cooperative ginners of Texas recently in a series of regional cooperative gin meetings."
1299. Norris, P.K. What about Texas cotton? 8pp., processed. Washington, United States Department of Agriculture, Bureau of Agricultural Economics, 1938.
Address, State Meeting, Texas Cooperative Cotton Ginners Association, Dallas, Texas, April 5, 1938.
The appearance and contents of Texas cotton bales and their effect on the foreign market for Texas cotton.
1300. "Whoever heard of such a thing?" Cotton Trade Jour. 18(17):1. Apr. 16, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C3214
The use of cellophane to cover cotton bales is suggested.
- See also Items nos. 1370, 1380, 1332, 1389, 1415, 1486, 1491.

MARKETING

General

1301. Bean, L.H. Changing trends in cotton production and consumption. 18pp., processed. [Washington, 1938]
Address before the Annual Convention of the American Cotton Shippers' Association, Roosevelt Hotel, New Orleans, La., April 29, 1938.
Long-time trends of production and consumption in the United States and in foreign countries are

discussed and are illustrated with charts.

Also in Cotton Trade Jour. 18(19):1,8-9. Apr. 30, 1938.

1302. Wooten, W.A. Wooten address to Arkansas meet. Cotton Digest 10(28):14. Apr. 16, 1938. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 226.82 C822
Address at meeting of Arkansas Cotton Trade Association at Little Rock, April 9, 1938, on the present marketing situation.

See also Items nos. 1501, 1509.

Demand and Competition

1303. Austro-German union. Problems of the two textile industries. Manchester Guardian Com. 36(927):272. Mar. 25, 1938. (Published at Guardian Bldg., 3 Cross St., Manchester, 2, England) 236.8 M315
1304. Bombay (Province) Textile labor inquiry committee. Interim report...finds decided improvement in the industry since 1937. Indian Textile Jour. 48(569):154-159. Feb. 15, 1938. (Published at Military Square, Fort, Bombay, India) 304.8 In2
1305. Brecher, Edward, and Dunaway, Philip. Tearing the sands of the sea. Nation's Business 26(3):31-32, 32, 33, 34. March 1938. (Published by the Chamber of Commerce of the United States, Washington, D.C.) Manufacture of glass fiber is described. Extract in Readers' Digest 32(192):106-107. April 1938.
1306. Chain stores of America marshal forces for cotton merchandising. Powerful allies of Cotton consumption council rally for drive. Cotton Trade Jour. 18(15):1,7. Apr. 2, 1938. (Published at 310 Union St., New Orleans, La.) 72.8 C8214
A drive to increase cotton consumption is noted.
1307. The Cotton consumption council. Mid-So. Cotton News 15(10):4. April 1938. (Published at 822 Falls Bldg., Memphis, Tenn.) 72.8 C8295
Editorial on the organization of the Council in Atlanta.

1308. Cotton co-ops back consumption plan. TCGA management and branch offices taking leading part in concerted national movement. Tex. Co-op. News 18(4):1. Apr.15,1938. (Published by Texas Co-operative Publishing Co., Inc., 601 Taylor St., Fort Worth, Tex.) 72.9 T315F

The plan started at Atlanta, Ga. recently is recommended by the Texas Cotton Growers Association.

1309. Council is formed to push greater cotton use. Growers, manufacturers and distributors unite on national cotton week. Mid-So. Cotton News 15(9):1. March 1938. (Published at 822 Falls Bldg., Memphis, Tenn.) 72.8 C8295

Report of meeting of growers, distributors and manufacturers in Atlanta, February 1938.

1310. The first cotton mill in Paraguay. The camera records an accomplishment at Villa del Pilar in the southern republic. Saco-Lowell Bull. 10(1):16-17. February 1938. (Published at 60 Batterymarch St., Boston, Mass.) 304.8 Sal

Illustrated with 12 pictures of the mill and equipment.

1311. [Grady, Henry F.] Hull treaties antidote for regimentation. Cotton Trade Jour. 18(19):1,10. Apr.30,1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

Address at meeting of American Cotton Shippers Association New Orleans, April 29,1938.

The trade agreement program is discussed.

Also in Cotton Digest 10(30):4-5,30-32,34. Apr.30,1938.

1312. Idle Japan cotton mill machinery going to China. Textile Bull. 54(5):19. Mar.31,1938. (Published by Clark Publishing Co., 118 West Fourth St., Charlotte, N.C.) 304.8 So82

1313. [Joint committee of cotton trade organizations. Economic service.] Cotton industry unemployment. The recent trend analysed. Textile Weekly 21(526):440-441. Apr.1,1938. (Published at 49, Deansgate, Manchester, 3, England) 304.8 T3127

The situation in Great Britain is described.

1314. Lancashire likes American cotton best, once more.
Cotton Trade Jour. 18(16):1. Apr.9,1938.
(Published at 810 Union St., New Orleans, La.)
72.8 C8214
Present consumption of American cotton in
Lancashire is compared with last year.
1315. Magri, Francesco. L'industria cotoniera nella
Svizzera. Bollettino della Cotoniera 33(1):15-
30. January 1938. (Published at Via Borgonuovo,
11, Milano, Italy) 304.8 B63
The cotton textile industry in Switzerland.
1316. Manchester statistical society. Transactions...
session 1936-37. "Various paging." Manchester,
Norbury, Lockwood & co. ltd. [1936-37] 251 M31
Partial contents: Recent changes in the organi-
sation of the Japanese cotton industry, by G.C.
Allen, 22pp.; The home market for textiles in
Great Britain, by C.T. Saunders, A.C. Wild and
E. Devons, pp.22-25.
1317. [Molyneaux, Peter.] Save cotton's markets, save
nation, is cry. Cotton Trade Jour. 18(16):1,3.
Apr.9,1938. (Published at 810 Union St., New
Orleans, La.) 72.8 C8214
Extracts from address at meeting of Atlantic
Cotton Association Augusta, Ga., April 9,1938 on
the consumption of American cotton.
1318. Nakamura, Kaju. Chinese cotton can't hurt U.S.
trade in Japan. It will compete only with short
staple, Indian types. Cotton Trade Jour. 18(17):
1,8. Apr.16,1938. (Published at 810 Union St.,
New Orleans, La.) 72.8 C8214
1319. National association of wool manufacturers. Rules
for wool industry... Definitions, identification,
decorations, tolerances, non-fibrous materials,
deceptive depictions and trade-marks, misrepre-
sentations. Amer. Wool & Cotton Reprtr. 52(13):
19-20. Mar.31,1938. (Published by Frank P.
Bennett & Co., Inc., 530 Atlantic Ave., Boston,
Mass.) 304.8 W88
1320. Netherlands East Indies. East coast of Sumatra
textile imports in 1937. Gt. Brit. Bd. Trade
Jour. 140(2157):487. Apr.7,1938. (Published
by H.M. Stationery Office, Adastral House,
Kingsway, London, W.C.2, England) 256.03 T67J

1321. Operatives and the cotton bill. "We have no regrets for our action." Textile Weekly 21(528): 512. Apr. 15, 1938. (Published at 49, Deansgate, Manchester, 3, England) 304.8 T3127
 Extracts from the annual report of the United Textile Factory Workers' Association of Great Britain.
1322. Oppose Federal wage and hour proposals. New Orleans spot cotton merchants assn. protests to Louisiana delegation. Cotton Trade Jour. 18(18):3. Apr. 23, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
1323. Ousley, Clarence. Japan buys more cotton. Cotton and Cotton Oil Press 39(16):16. Apr. 16, 1938. (Published at 3116-18 Commerce St., Dallas, Tex.) 304.8 C822
 Editorial showing that the Japanese war in China has reduced exports of American cotton.
1324. Partington, H. Preparation of a mill balance sheet. Textile Weekly 21(526):453, 455-456. Apr. 1, 1938. (Published at 49, Deansgate, Manchester, 3, England) 304.8 T3127
 In a lecture to the Preston & District Textile Managers' Association, March 4, 1938.
1325. Protocol to the convention regarding the commercial relations between India and Japan. Shipments of raw cotton from India to Japan and of cotton piece-goods from Japan to India. Indian Trade Jour. 128(1653):1020. Feb. 24, 1938. (Published by the Department of Commercial Intelligence and Statistics, 1, Council House St., Calcutta, India) 286.8 In24
1326. Rayon from cotton? Manchester Guardian Com. 36 (926):247. Mar. 18, 1938. (Published at Guardian Bldg., 3 Cross St., Manchester, 2, England) 286.8 M315
 "The Indian Central Cotton Committee proposes to install a pilot plant with a view to exploring the commercial possibilities of producing rayon from short staple cotton."
1327. Remedies for the cotton trade. Reorganization plans examined. Manchester Guardian Com., Ann. Rev. Jan. 28, 1938, pp. 112, 114-115. (Published at Guardian Bldg., 3 Cross St., Manchester, 2, England) 286.8 M315A

1328. Sacrificing textile exports. Amer. Wool & Cotton Reprtr. 52(13):1,37-39. Mar.31,1938. (Published by Frank P. Bennett & Co., Inc., 530 Atlantic Ave., Boston, Mass.) 304.8 W83
Editorial on the cotton and cotton cloth export situation.
1329. Short staple cotton as cellulose base. Textile Age 1(8):18. November 1937. (Published at 381 Fourth Ave., New York, N.Y.) 304.8 T3132
"If cotton pulps are cleaned and cotton lint were obtainable at the price of a good wood pulp, the demand would gradually but surely turn to cotton. This seems to mean that a large and assured supply of cotton must be available for 5 to 5 1/2 cents a pound."
1330. South leads in the mill use of cotton. Amer. Fert. 38(7):26. Apr.2,1938. (Published at 1330 Vine St., Philadelphia, Pa.) 57.8 Am3
1331. [Speaks, Charles E.] Tire official urges growth of long staple cotton. Textile Bull. 54(4):13. Mar.24,1938. (Published by Clark Publishing Co., 118 West Fourth St., Charlotte, N.C.) 304.8 So82
1332. A summary of the reports received from the Indian trade commissioner, Japan, up to the end of December 1937, regarding the cotton situation in Japan. Indian Trade Jour. 128(1650):600. Feb.3, 1938. (Published by the Department of Commercial Intelligence and Statistics, 1, Council House St., Calcutta, India) 286.8 In24
1333. Textile quotas in Ceylon. Ceylon trade commissioner's analysis of the position. Indian Textile Jour. 48(569):163-164. Feb.15,1938. (Published at Military Square, Fort, Bombay, India) 304.8 In2
1334. Textiles--Philippine imports increased in 1937. Com. Reports no.16, p.351. Apr.16,1938. (Published by United States Department of Commerce, Bureau of Foreign and Domestic Commerce, Washington, D.C.) 157 C76D
1335. U.-K. hearings bring out solid front of opposition from the textile industry. Textile World 88(5): 64-65,138. April 1938. (Published by McGraw-

Hill Publishing Co., Inc., 330 West 42d St.,
New York, N.Y.) 304.8 T315

Hearings before the Committee on Reciprocity
Information on the proposed trade agreement with
the United Kingdom are reported.

1336. Unemployment problems in mill towns. While textiles
fluctuate, new industries grow. Manchester
Guardian Com. 36(927):259,260. Mar.25,1938.

(Published at Guardian Bldg., 3 Cross St., Man-
chester, 2, England) 286.8 M315

Developments in the Lancashire textile industry
are noted.

1337. War lessens cotton use. Cotton Trade Jour. 18(15):2.
Apr.2,1938. (Published at 810 Union St., New
Orleans, La.) 72.8 C8214

Editorial on the effect of war on cotton con-
sumption.

1338. Whitaker, Rodney, and Ladejinsky, W. The Indian
textile industry and American cotton. Foreign
Agr. 2(4):171-192. April 1938. (Published by
United States Department of Agriculture, Bureau
of Agricultural Economics, Washington, D.C.)

"Prior to the World War, almost 60 percent of
India's cotton-cloth requirements were imported,
with Great Britain virtually the only source of
supply... It is estimated that during the years
immediately before the war the Indian people
consumed an annual average of more than 1 mil-
lion bales of American cotton, chiefly in the
form of cloth imports. The displacement of imported
goods by domestic cloth, made largely of Indian
cotton, has reduced the ultimate consumption of
American cotton in India to about 350,000 bales."

1339. Wisselink, J. Textile industries. Coordination
and rationalization. Times Trade and Engin.
42(826) (Netherlands and colonies sup.):xlii.
December 1937. (Published by the Times Pub-
lishing Co., London, E.C.4, England) 286.8 T482

"The organisation of the cotton industry in
Holland, especially in the face of Japanese com-
petition, is described. Statistics are given;
in 1936 there were 1,230,000 cotton spindles and
50,300 looms, and 250,000 woollen and worsted
spindles and 5,760 looms.-C."-Textile Inst. Jour.
29(2):A124. February 1938.

See also Items nos. 1299, 1301, 1352, 1464, 1492,
1499, 1501, 1503, 1510.

Supply and Movement

1340. Argentine Republic. Junta nacional del algodón.
Producción y desmote de algodón en el país en la
campana 1936-1937. Gaceta Algodonera 14(169):6,
8-9. Feb.28,1938. (Published at Reconquista 331,
Casilla Correo 550, Buenos Aires, Argentina)
72.8 G11
Production and ginning of cotton in the country
in the season 1936-1937.
1341. La cosecha de algodón alcanzará a 72.000 toneladas.
Esta cifra supera a la de la cosecha anterior en
40.830 toneladas. Rosario, Bolsa de Comercio,
Boletín Oficial 26(628):29. Mar.15,1938. (Pub-
lished at Rosario, Argentina) 227 R71
The cotton crop will reach 72,000 tons. This
number will surpass the last crop by 40,830 tons.
1342. Cotton growers hear speakers at Ocala. Florida
Grower 46(4):19. April 1938. (Published at
Tampa, Florida) 80 F8622
A meeting in Ocala, Florida, of growers and
business men, March 11,1938, to discuss Sea Island
cotton possibilities for North Florida.
1343. Cox, A.B. Qualities of world cotton crops. Tex.
Business Rev. 12(2):6-7. Mar.28,1938. (Published
by Bureau of Business Research, University of
Texas, Austin, Tex.) 220.8 T312
This is the second of a series of articles
on the world supply of cotton particularly as
it is related to Texas and Texas problems. Table
shows volume and staple length of world's cotton
crops by country.
Also in Cotton Digest 10(26):4. Apr.2,1938;
Cotton Trade Jour. 18(16):5,8. Apr.9,1938.
1344. Dantas, Garibaldi. A crise do café e a expansao
algodoeira paulista. Sao Paulo. Revista do
Instituto de Café 13(132):170-176. February 1938.
(Published at Rua Wenceslau Braz, 11, Sao Paulo,
Brazil) 68.29 Sa63
The coffee crisis and the expansion of paulista
cotton.
1345. Le developpement de la culture du coton en Algerie.
Revue Agricole de l'Afrique du Nord 36(972):159.
Mar.18,1938. (Published at 12, R. Dumont-
d'Urville, Algeria) 80 R326
The development of cotton cultivation in Algeria.

1346. Donaldson, Claude C. Class of cotton shows improvement. Producer-Consumer 3(9):4. April 1938. (Published at Fisk Bldg., Amarillo, Tex.) 280.28 P942
Improvement in cotton quality in the South Plains of Texas is noted.
1347. [Fernandes, José Maria.] O algodao nos Estados Unidos. A Lavoura 41:17-23. July-December 1937. (Published by Sociedade Nacional de Agricultura, Rio de Janeiro, Brazil) 9.2 L39
Cotton in the United States.
Address at meeting of the Sociedade Nacional de Agricultura.
1348. H., R.E. Dutch Guinea exploitation includes cotton experiment. Far East. Survey 7(8):91-92. Apr. 20, 1938. (Published by the American Council, Institute of Pacific Relations, 129 East 52nd St., New York, N.Y.) 280.9 In782
The progress of cotton growing in a Japanese settlement at Momi, Netherlands New Guinea, is noted.
1349. Hussein Enan. Le cotton principale richesse de l'Egypte. Coton et Culture Cotonnière 12(1):17-30. February 1938. (Published at 34, Rue Hamelin, Paris, France) 72.8 C821
Cotton, principal wealth of Egypt.
1350. Hynds, W.M. Our cotton losses. Growing cotton below 15/16 inch standard demanded by world markets is wreaking havoc with Oklahoma producers and sellers. Employer 21(11):6,10. April 1938. (Published by Employer Publishing Co., 711 Tradesmen National Bank Bldg., Oklahoma City, Okla.)
1351. India--Final general memorandum on the cotton crop of 1937-38, All-India. Cotton [Manchester] 43 (2107):8. Apr. 2, 1938. (Published by the Manchester Cotton Association, Ltd., 411 Fourth Floor, Royal Exchange, Manchester, 2, England) 304.8 C826
Tables show acreage, production and yield by provinces and states and by varieties.
1352. Japan and Indian cotton exports. Reactions of Japanese war finance. Indian Textile Jour. 48(569):163. Feb. 15, 1938. (Published at Military Square, Fort, Bombay, India) 304.8 In2

1353. Karl, William A. Karl urges quality cotton. Cotton Digest 10(28):3-4, 14-15. Apr. 16, 1938. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822
Address at meeting of Arkansas Cotton Trade Association at Little Rock, April 9, 1938.
1354. Lozach, Jean. Le delta du Nil; étude de géographie humaine. 303pp. Le Caire, Imprimé par E. & R. Schindler pour la Société royale de géographie d'Egypte, 1935. (Publications de la Société royale de géographie d'Egypte) 278.192 L95
Bibliography, pp.iii-xxiii.
The Delta of the Nile. Study of human geography. Cotton, pp.91-125.
"This is a study of the relation of man to the land in Lower Egypt or the Delta of the Nile. Man's use of the Nile for his own purposes, the cultivation of the soil, the necessity for drainage, the struggle for and against water, the production of cotton, and rural and urban life are discussed. And the main task of the author has been to tie all these varied factors together, to show their relation and inter-dependence, to trace the evolution of the country and its people and to seek out its determining factors."-Agr. Econ. Lit. 12(4):329. April 1938.
1355. Mann, H.B. Recent changes in southern agriculture. Potash Jour. 2(2):3-6. March-April 1938. (Published at Investment Bldg., Washington, D.C.) 57.8 P842
The decrease in cotton acreage in recent years is noted.
1356. Munck, Charles. La question cotonnière en Afrique du Nord. Coton et Culture Cotonnière 12(1):1-16. February 1938. (Published at 34, Rue Hamelin, Paris, France) 72.3 C821
The cotton question in Northern Africa.
1357. Official control in the cotton industry. Mitsubishi Monthly Circ. no.173, pp.12-15. March 1938. (Published by Mitsubishi Economic Research Bureau, Marunouchi, 3, Tokyo, Japan) 280.8 M69
The present situation in the cotton textile industry of Japan is described.

1358. Ousley, Clarence. Authentic cotton information.
Cotton and Cotton Oil Press 39(14):14. Apr. 2,
1938. (Published at 3116-18 Commerce St., Dallas,
Tex.) 304.8 C822
Editorial commenting on a recent article by
P.K. Norris on the increased production of cotton
in foreign countries.
1359. Soviet cotton. Manchester Guardian Com. 36(927):
273. Mar. 25, 1938. (Published at Guardian Bldg.,
3 Cross St., Manchester, 2, England) 286.8 M315
Production in Union of Soviet Socialist Re-
publics in 1937 is noted.
1360. Trewartha, Glenn T. Ratio maps of China's farms and
crops. Geog. Rev. 28(1):102-111. January 1938.
(Published by the American Geographical Society,
Broadway at 156th St., New York, N.Y.) 500 Am35G
Chart, p.107, shows cotton as percent of total
crop acreage.
1361. U.S. Department of agriculture. Bureau of agricul-
tural economics. 1937 crop shorter in staple.
Cotton Digest 10(28):9. Apr. 16, 1938. (Published
at 710 Cotton Exchange Bldg., Houston, Tex.)
286.82 C822
The final grade and staple report of the U.S.
Bureau of Agricultural Economics for the 1937
crop is noted.
Tables from the report are given in Cotton
Digest 10(29):9. Apr. 23, 1938.
1362. Westbrook, E.C. Sea Island cotton culture. Ga.
Agr. Ext. Serv. Circ. 268, rev., 5pp., processed.
Athens. 1938. 275.29 G29C
"A brief summary of the experiences of Georgia
farmers who grew Sea Island cotton in 1937 and
recommendations for 1938."
Also in Com. Fert. 56(4):11-12. April 1938.
1363. Why not longer staple cotton? Mfrs. Rec. 107(4):24.
April 1938. (Published at Commerce and Water Sts.,
Baltimore, Md.) 297.8 M31
Editorial on the quality of American cotton.
- See also Items nos. 1233, 1236, 1237, 1241, 1242, 1244,
1246, 1247, 1298, 1301, 1325, 1328, 1338, 1468, 1470,
1475, 1476, 1478, 1480, 1483, 1484, 1493, 1507, 1508,
1510.

Prices

1364. Karachi cotton association ltd. Weekly price movement of cotton. 1935/36. 1p. Karachi [1936] 284.3729 K14 1935/36.
1365. The price outlook. Cotton Digest 10(26):6. Apr.2, 1938. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822 Editorial.
1366. Severance, J.L. Cloth-cotton straddles gain attention; spread is narrow. With manufactures sharply under production cost and cotton relatively high, some in market see advantage in selling cotton and buying goods--Curtailement a factor. Jour. Com. 176(13600):12. Apr.13,1938. (Published at 63 Park Row, New York, N.Y.) 286.8 J82
1367. Todd, John A. Finance, America and cotton prices. Empire Cotton Growing Rev. 15(2):105-112. April 1938. (Published by P.S. King & Son, Ltd., 14, Great Smith St., London, S.W.1, England) 72.8 Em7
 "As the result of unexpected new developments, both in regard to crop control and to finance, the American Government now finds itself the holder of a larger amount of cotton than ever, with the prospect of a new era of crop restriction which is likely to last at least as long as its predecessor."

See also Items nos. 1329, 1498.

Marketing and Handling Methods and Practices

1368. Bratter, Herbert M. Uncle Sam eyes futures trading. Nation's Business 26(3):25-26,86,88-89. March 1938. (Published by Chamber of Commerce of the United States, 1615 H St., N.W., Washington, D.C.) 286.8 N212
 Work of the Commodity Exchange Administration is described.
1369. Egyptian futures contract bases. The need for revision. Manchester Guardian Com. 36(924):198. Mar.4,1938. (Published at Guardian Bldg., 3 Cross St., Manchester, 2, England) 286.8 M315
 "The quality of Egyptian crops has improved progressively in recent years, but though this has called for an appropriate revision of the

Alexandria futures contract bases the Egyptian authorities have so far taken no steps to satisfy that requirement."

1370. [Liverpool cotton association] Liverpool rule on damp cotton to remain as is. Exchange directors count on corrective steps in producing countries. Cotton Trade Jour. 18(18):6. Apr. 23, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

See also Items nos. 1382, 1395, 1479, 1508.

Marketing Services and Facilities

1371. Ala. warehousemen interrogate candidates on state docks policy. State association seeks, obtains pledges against unfair practices. Cotton Trade Jour. 18(17):3. Apr. 16, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
Policies of the Alabama State Docks Commission are questioned by the Alabama Bonded Warehousemen's Association.
1372. [Bertel, C.A.] Warehouse association president reports on first-year activities. Says time has come for warehousemen to carry share of burden. Cotton Trade Jour. 18(19):12. Apr. 30, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
Report at a meeting of the National Cotton Compress and Cotton Warehouse Association.
1373. The cotton buyers' association, Bombay. Chairman's speech at the first annual general meeting. Indian Textile Jour. 48(569):175. Feb. 15, 1938. (Published at Military Square, Fort, Bombay, India) 304.8 In2
Address by J. Vonesch on the work of the association.
1374. Cotton classers' prayer for true north light appears answered now. Glass makers and lighting engineers in service of king cotton. Cotton Trade Jour. 18(17):6. Apr. 16, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
1375. Georgians vote affiliation in national assn. Warehousemen's association reorganizes, elects officers for year. Cotton Trade Jour. 18(19):3. Apr. 30, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

1376. [Harty, J.E.] Brain truster day near over, is Harty hope. Atlantic cotton association president discusses trade problems. Eyes weight loss. Stresses need for keeping cotton transportation costs at low level. Cotton Trade Jour. 18(16): 1,8. Apr.9,1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
Address at meeting of Atlantic Cotton Association, April 8,1938.
Also in Cotton Digest 10(27):6,18. Apr.9,1938.
1377. Hazen, N.W. Egyptian government increases cotton loans. Agr. Situation 22(4):16-18. Apr.1,1938. (Published by United States Department of Agriculture, Bureau of Agricultural Economics, Washington, D.C.) 1 Ec7Ag
Table shows loans made to individuals and cooperatives by the Crédit Agricole d'Egypte, 1936 and 1937.
1378. [Johnston, Oscar] Johnston gives Federal Reserve approbation to warehouse assn. Cotton warehouseman has come to occupy vital place in credit structure, view. Cotton Trade Jour. 18(19):1,4. Apr.30,1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
Address at meeting of National Cotton Compress and Cotton Warehouse Association in New Orleans, April 29,1938.
1379. Mercado de algodón de Buenos Aires. Gaceta Algodonera 14(169):12,14-17. Feb.28,1938. (Published at Reconquista 331, Casilla Correo 550, Buenos Aires, Argentina) 72.8 G11
The cotton market of Buenos Aires. Its constitution is given.
1380. Mississippi hits Sisal twine use in compresses. Cotton Trade Jour. 18(19):3. Apr.30,1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
Resolution of the Mississippi Cotton Compress and Cotton Warehouse Association.
1381. The money crop of Egypt. How cotton is financed from producer to exporter. Manchester Guardian Com., Egypt, Apr.1,1938, p.20. (Published at Guardian Bldg., 3 Cross St., Manchester, 2, England) 286.8 M315C

1382. Nickson, A.C. A year of exploration. The work of the [Liverpool] cotton association. Manchester Guardian Com., Ann. Rev. Jan.28,1938, pp.67-69. (Published at Guardian Bldg., 3 Cross St., Manchester, 2, England) 286.8 M315A

The questions of new contracts for American and Egyptian cottons and of moisture in American cotton are discussed.

1383. [Rathell, George E.] Warehousemen hear Rathell on their task. CCC treasurer calls for more accurate weights on loan cotton. Re-classing being talked. Cotton Trade Jour. 18(19):1,11. Apr.30,1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

Address at convention of the National Cotton Compress and Cotton Warehouse Association, April 29,1938.

1384. Rotterdam cotton association. Report...presented at the annual general meeting of the members held November 9th 1937. 5pp. Rotterdam, [1938] 287 R74R

1385. Shippers and warehousemen of whole belt foregathered here in annual conventions. Cotton Trade Jour. 18(19):1,9,12. Apr.30,1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

Reports of meetings of American Cotton Shippers' Association and the National Cotton Compress and Cotton Warehouse Association at New Orleans, April 29,1938 are given.

1386. Suter, J.D. Cotton engineering and inspection service chief outlines activities. Cotton Trade Jour. 18(17):3. Apr.16,1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

1387. Suter, J.D. Maintain insurance classification uninterruptedly, engineer advises. Cotton Trade Jour. 18(19):3. Apr.30,1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

"Third of a series of five articles" on warehouse inspection.

1388. Suter, J.D. Warehouse insurance classification explained by chief cotton engineer. Cotton Trade Jour. 18(18):3. Apr.23,1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

"The second of a series of five articles."

1389. Tennessee calls "air-cut" cotton theory unproven. Elects officers, recommends discontinuance of use of sisal twine. Cotton Trade Jour. 18(19): 3. Apr. 30, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
"Resolutions passed at the recent meeting of the Tennessee Cotton Compress and Cotton Warehouse Association."
1390. [U.S. Commodity credit corporation] CCC figures loan increase heavy. Cotton Digest 10(27):10-11. Apr. 9, 1938. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822
Quantity and value of cotton held by the Commodity Credit Corporation are given.
1391. [U.S. Commodity credit corporation] Cotton loans time extended. Cotton Digest 10(26):9. Apr. 2, 1938. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822
- See also Items nos. 1399, 1400, 1401, 1467, 1468, 1474, 1485, 1491, 1501, 1509, 1510.

Marketing Costs

1392. The cotton freight controversy. Cotton association and national congress do not agree. Indian Textile Jour. 48(569):164. Feb. 15, 1938. (Published at Military Square, Fort, Bombay, India) 304.8 In2
Views of the East India Cotton Association on rates for cotton consigned for export are given.
1393. Crescent city hits coastwise rate increase. Address complaints to U.S. Maritime commission and ICC. Cotton Trade Jour. 18(15):8. Apr. 2, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
"Increased steamship rates on cotton from New Orleans to New England and Canadian points, which became effective Monday, are being opposed by the New Orleans Cotton Exchange and the American Cotton Cooperative Association and other shippers in representations to the U.S. Maritime Commission and to the Interstate Commerce Commission."
1394. Memphis claims rates are unfair. Cotton Digest 10(29):4. Apr. 23, 1938. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822
"The Memphis Cotton Exchange, through V. Alexander, assistant secretary has petitioned

the U.S. Maritime Commission for a further inquiry into the rate making policies of the Gulf lines."

1395. N.O. cotton exchange announces straddle commission reduction. Cotton Trade Jour. 18(16):1,8. Apr.9, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

Commission on straddle transactions is to be lowered to \$38.75 per contract.

1396. Rate making and space booking practices attacked at hearing. Maritime commission hears cotton's side of shipping problem. Cotton Trade Jour. 18(16):1, 7. Apr.9, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

Extracts from testimony of E.O. Jewell before the U.S. Maritime Commission at New Orleans, La., April 4, 1938.

See also Item no. 1376.

Cooperation in Marketing

1397. Brown, Walter. Farmers lose on lint sales, Jones asserts. Commissioner tells Senators he thinks co-ops and merchants "gyp" them. Dallas dealer holds difference too great. Palmetto official asks Congress to reimburse losers in state. S.C. Market Bull. 18:1. Apr.21, 1938. (Published by South Carolina Department of Agriculture, Commerce and Industries, Anderson, S.C.) 280.39 So8

1398. Creekmore outlines three-point defense as Senate probe rankles. Cotton Trade Jour. 18(19):1,4. Apr.30, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

Testimony before the Senate Committee on Agriculture and Forestry in the investigation of the American Cotton Co-operative Association is given.

1399. Creekmore to take stand, defend classing and pay. ACCA chief to be heard following testimony of one more probe witness. Cotton Trade Jour. 18(18):1, 5. Apr.23, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

Report of investigation of underclassing by the American Cotton Cooperative Association by the Senate Committee on Agriculture and Forestry, April 19 and 20, 1938.

1400. Honors even as ACCA probe reaches fourth day, issues obscured. Cotton Trade Jour. 18(17):1,8. Apr.16, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

"The investigation of alleged under-grading of Government Loan Cotton by the American Cotton Co-operative Association being conducted by the Senate Agriculture Committee" is reported.

1401. Johnston defends cotton co-op classing. Cotton Digest 10(28):9. Apr.16,1938. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822

Testimony of Oscar Johnston before the Senate Committee on Agriculture and Forestry is noted.

1402. [West Texas cotton growers association] Enthusiastic annual meeting WTCGA held. Members strongly endorse work of assn. and splendid record made. Continued investigations of cotton co-ops termed persecutions. Officers and directors elected. Tex. Co-op. News 18(4):1,3. Apr.15,1938. (Published by Texas Co-operative Publishing Co., Inc., 601 Taylor St., Fort Worth, Tex.) 72.9 T315F

See also Item no. 1377.

UTILIZATION

Fiber, Yarn and Fabric Quality

1403. Adams, R.H. Standard specifications and methods of physical testing of textile materials. Amer. Dyestuff Reptr. 27(4):P97-P98. Feb.21,1938. (Published by Howes Publishing Co., Inc., 440 Fourth Ave., New York, N.Y.) 306.8 Am3

Presented before the meeting of the Southeastern Section, American Association of Textile Chemists and Colorists, October 9,1937.

1404. Ahmad, Nazir. Spinning tests on Punjab-American 4F cotton with different schemes of drafts in the speed frames. Indian Cent. Cotton Com. Tech. Lab., Tech. Bull. Ser. A, no.41, 12pp. Bombay. 1937.

1405. [American society for testing materials. Committee D-13.] Permanent finishes and test standards discussed by D-13. Cotton [Atlanta] 102(4):81. April 1938. (Published by W.R.C. Smith Pub-

lishing Co., Grant Bldg., Atlanta, Ga.)

304.8 C823

A meeting of the Committee was held in Washington, D.C., on March 9, 10, and 11, 1938.

1406. B., C. Some factors affecting cotton yarn character. Possibilities in production of single cotton yarns of special characteristics arising from blending or processing. Textile Manfr. 64(759):95. March 1938. (Published by Emmott & Co., Ltd., 31 King St., West, Manchester, 3, England) 304.8 T3126
1407. Balls, W. Lawrence. Design of an impact tester to measure resistance and extension. Egypt, Min. Agr., Tech. & Sci. Serv. Cotton Research Board, Bull. 194, 19pp. Cairo. 1938. 24 Eg93
An instrument for measuring strength of cotton fibers is described and illustrated.
1408. Bayer, A. Nummerschwankungen in der baumwoll-und zellwollspinnerei und ihre abhilfe. Monatschrift für Textil Industrie 52(11):270-272. November 1937. (Published at Dörrienstrasse 9, Leipzig, C.1, Germany) 304.8 L53
Number variations in cotton and staple fiber spinning and their correction.
"A general discussion of causes of weight irregularities in the spinning of cotton and staple fibre. The following are suggested as upper limits of weight irregularity for satisfactory work: scutcher lap, 4-5 per cent. on 1-metre lengths; card sliver, 6-8 per cent. on 6-yard lengths; final draw-frame sliver, 3 per cent. on 6-yard lengths; rovings 2.5-3 per cent. on 21-yard lengths for the coarse flyer, 42-yard lengths for the medium flyer, and 84-yard lengths for the fine flyer.-C."-Textile Inst. Jour. 29(2):A69. February 1938.
1409. Chowdhury, J.K., and Bardhan, T.P. Measurement of molecular areas of cellulose from different sources by surface tension method. Part II. Indian Chem. Soc., Jour. 13(5):294-300. May 1936. (Published at 92, Upper Circular Road, Calcutta, India) 385 In27
"Surface tension measurements of viscose solns. were used in calcg. the mol. areas of cotton, jute and bamboo celluloses, with Gibbs' equation, resulting in values of 571, 263.1 and 129.5 sq. A., resp.-C.E. Curran."-Chem. Abs. 31(21):8182. Nov. 10, 1937.

1410. Chowdhury, J.K., and Bardhan, T.P. Molecular size of cellulose from different sources. Part I. Indian Chem. Soc., Jour. 13(4):240-252. April 1936. (Published at 92, Upper Circular Road, Calcutta, India) 385 In27

"From a quant. study of the mol. wt. and viscosity of solns. of celluloses from different sources it is evident that they are not identical and that their different phys. properties are inherent in the size of the mol. and not due to phys. conditions. In Schweitzer's reagent cotton (I), jute (II) and bamboo (III) were found to be composed of 978, 516 and 189 anhydroglucose units. In viscose the cellulose is somewhat disintegrated, I, II, and III consisting of 894, 468, and 158 anhydroglucose units, resp., while in acetylation I consists of 138 and II of 86 glucose residues. Treatment with 42% HCl at 0° carries disintegration still further, mols. of I and II being found to consist of 13 and 9 glucose units, resp. The no. of glucose units in native cotton cellulose is higher, being calcd. as over 1000 by use of Staudinger's formula.-C.E. Curran."-Chem. Abs. 31(21): 8182. Nov.10,1937.

1411. Cotton yarn preparation. Is this the best method? Textile World 88(5):113. April 1938. (Published by McGraw-Hill Publishing Co., Inc., 330 West 42nd St., New York, N.Y.) 304.8 T315

"A typical yarn preparation chart for high-count 2 x 1 combed broadcloth, as made in a large fine goods mill" is given.

1412. Davidson, G.F. The effect of alkalis on the molecular chain length of chemically modified cotton celluloses, as shown by fluidity measurements on the derived nitrocelluloses. Brit. Cotton Indus. Research Assoc. Shirley Inst. Mem. 16(3):29-52. April 1938. (Published at Didsbury, England) 72.9 B773

References, p.52.

1413. Davis, W. The use of twistless cotton yarns in knitted fabrics. Textile Inst. Jour. 29(2):T23-T26. February 1938. (Published at 16 St. Mary's Parsonage, Manchester, 3, England) 73.9 T31

References, p.T26.

1414. Doree, Charles, and Healey, A.C. The action of ozone on cellulose and modified cellulose. Textile Inst. Jour. 29(3):T27-T42. March 1938. (Published at 16 St. Mary's Parsonage, Manchester, 3, England) 73.9 T31
References, p.T42.
"All experiments were carried out on a sample of cotton linters prepared for the technical production of cellulose acetate."
1415. Engeler, A., Friedle, J., Stäger, H., and Tschudi, H. Textile fibres: moisture relations. Textile Inst. Jour. 28(9):A510-A511. September 1937. (Published at 16 St. Mary's Parsonage, Manchester, 3, England) 73.9 T31
From Schweizer Archiv, 1936, 2, 265-273.
"Several series of experiments are reported that were designed to establish the conditions for the accurate measurement of moisture absorption by fibres. Factors to be observed are (1) the relative humidity should not be above 90 per cent., (2) constancy of temperature, (3) a constant relationship between the size of the container, the amount of the salt solution (to provide the required R.H.) and the amount of fibre, (4) weighing should be done in the apparatus itself, and (5) the sample should be stored for a sufficient length of time, in which case circulation of the air is unnecessary.-C."-Entire item.
1416. Goshawk, E.R. Equilibrium and airdrag of whirling threads. Nature 140:194-195. July 31, 1937. (Published by Macmillan & co., ltd., St. Martin's street, London, W.C.2, England) 472 N21
"When a thread carrying a small 'bob' is whirled about a vertical axis, the 'balloons' are not separated by point nodes but by 'necks' of increasing diameter the farther they are from the bob. The differential equations of motion of such threads are found to be capable of approximate solution if a term be introduced for air-drag...C."-Textile Inst. Jour. 28(9):A488-A489. September 1937.
1417. Hancock, H.A. Egyptian cotton: studies in spinning and growing, 1935-36, with an introduction by Dr. W. Lawrence Balls. Egypt, Min. Agr. Tech. & Sci. Serv. Bull. 189, 58pp. Cairo. 1938. 24 Eg93
The work of the spinning test mill at Giza is described in the introduction. In addition to

reports of spinning tests this publication reports an experiment in bad ginning, the effect of mabruma (scarto) sorting on cotton quality, and the effect of jute on spinning value of cotton fibers.

1418. N., C.R. Wear of cotton and linen bed sheets.
The position of premature wear and holes in bed sheets indicates the hot-water bottle as the cause. Methods of testing for sources of damage in cases of claims. Textile Manfr. 64(759):125-126. March 1938. (Published by Emmott & Co., Ltd., 31 King St., West, Manchester, 3, England) 304.8 T3126
1419. Sisson, Wayne A.. The existence of mercerized cellulose and its orientation in Halicystis as indicated by x-ray diffraction analysis. Sci. 87(2259):350. Apr.15,1938. (Published at Grand Central Terminal, New York, N.Y.) 470 Sci2
1420. Society of chemical industry. Reports of the progress of applied chemistry. V.22,818pp. London. 1937. 382 M31R
Cotton and cellulose, by H.A. Turner, pp. 195-251.
1421. Stamm, Alfred J., and Hansen, L.A. The bonding force of cellulosic materials for water (from specific volume and thermal data). Jour. Phys. Chem. 41(7):1007-1016. October 1937. (Published by Williams & Wilkins Co., Mount Royal & Guilford Aves., Baltimore, Md.) 381 J822
References, pp.1015-1016.
Presented at the Fourteenth Colloid Symposium, held at Minneapolis, Minnesota, June 10-12,1937.
"The densities of wood, cotton linters, pulp and lignin have been measured in helium, water and benzene as displacement media. Results for cotton agree with those of Davidson (B.C.I.R.A.). The contraction in volume of water when adsorbed by cellulose and the pressure required to cause such a contraction are calculated from the data; the pressure is 15.5 kilobars for wood, 14.7 for cotton, and 13.5 for pulp, or in other words, the force holding water to cellulose is 24, 17, and 8 per cent. greater than the force holding water to water. It has been questioned whether helium completely penetrates cellulose and thus gives a true value for the density. A value for the pressure causing contraction in the volume of

the adsorbed water has therefore been calculated in another way. From recorded data for various aqueous solutions (glycerol, glycol, acids, alkalis, salts) it is established that an average value of the ratio of partial internal pressure of water to the partial heat of solution is 12.5 kilobars per kilojoule. On applying this value to data for the heat of swelling of cellulose a value for internal pressure is obtained that agrees closely with the value derived from the density determinations.-C."-Textile Inst. Jour. 29(2):A108-A109. February 1938.

1422. Tankard, J. The absorption of water by cellulose and cellulose compounds. Textile Inst. Jour. 28(9):T263-T292. September 1937. (Published at 16 St. Mary's Parsonage, Manchester, 3, England) 73.9 T31

1423. [Textile institute.] Unification of testing methods and standardization in textiles. Textile Inst. Jour. 28(9):P313-P320. September 1937. (Published at 16 St. Mary's Parsonage, Manchester, 3, England) 73.9 T31

The Institute's standardization scheme is given in full.

See also Items nos. 1287, 1382, 1468, 1483, 1502.

Technology of Manufacture

1424. Baldus-Pross system of cotton spinning. Textile Manfr. 64(759):113. March 1938. (Published by Emmott & Co., Ltd., 31 King St., West, Manchester, 3, England) 304.8 T3126

"German progress in the adoption of a single-process speed frame and high-draft ring spinning, including the use of special condenser trumpets on the draw-frame deliveries."

1425. Bibb manufacturing company. "This thing called string." 56pp. Macon, Ga., [1937?] 304 B47
Processes in the manufacture of cotton twine are described.

1426. [Casablancas high draft co., ltd.] Compound drafting developments. Spinner 1(4):25-27. March 1937. (Published by Casablancas High Draft Co., Ltd., Bolton St., Salford 3, Manchester, England)

1427. [Casablanca high draft co., ltd.] An interesting improvement for the card. Spinner 1(4):10-11. March 1937. (Published by Casablanca High Draft Co., Ltd., Bolton St., Salford 3, Manchester, England)
An illustration "shows the remarkable effect of the static electric charge upon the cotton fibres and enables the principle of the Apparatus to be clearly seen."
1428. [Casablanca high draft co., ltd.] A new condenser for better drafting. Spinner 1(5):25-27. March 1938. (Published by Casablanca High Draft Co., Ltd., Bolton St., Salford 3, Manchester, England)
1429. [Casablanca high draft co., ltd.] A patented top roller for machines of extra wide gauge. Spinner 1(5):15-19. March 1938. (Published by Casablanca High Draft Co., Ltd., Bolton St., Salford 3, Manchester, England)
1430. [Casablanca high draft co., ltd.] The price of high drafting. Spinner 1(4):6-8. March 1937. (Published by Casablanca High Draft Co., Ltd., Bolton St., Salford 3, Manchester, England)
1431. [Casablanca high draft co. ltd.] The twin sliver draw frame. Spinner 1(4):13-16. March 1937. (Published by Casablanca High Draft Co., Ltd., Bolton St., Salford 3, Manchester, England)
1432. [Casablanca high draft co., ltd.] Twin sliver draw frame new reversing motion. Spinner 1(5):22. March 1938. (Published by Casablanca High Draft Co., Ltd., Bolton St., Salford 3, Manchester, England)
1433. D., C.R. The setting and grinding of card flats. Actual methods of setting flats, and precautions to be taken in setting and grinding. Textile Manfr. 64(759):93-94. March 1938. (Published by Emmott & Co., Ltd., 31 King St., West, Manchester, 3, England) 304.8 T3126
1434. Fingerprinting the lap. The Saco-Lowell lap meter identifies the sub-standard laps and allows of a quick evaluation. Saco-Lowell Bull. 10(1):1-9. February 1938. (Published at 60 Batterymarch St., Boston, Mass.) 304.8 Sal

1435. Morton, W.E. An introduction to the study of spinning. 267pp. London, New York [etc.] Longmans, Green and co. [1937] 304 M84
 "The author's aim has been to direct the student's attention in the very beginning to the fundamental nature of the processes through which the raw materials have to go in the course of yarn manufacture; to show how the evolution of the various modern machines from the original handicraft appliances has been influenced in each case by the character of the raw material it was intended to treat; and to exclude as far as possible all references to confusing mechanical complications until there is no longer any risk of their crowding out of the picture the things that really matter."
1436. The new "Arunco" fancy yarn doubling frame. An original machine, with pattern chain and differential motions. Textile Weekly 21(528):515,517-518. Apr.15,1938. (Published at 49, Deansgate, Manchester, 3, England) 304.8 T3127
 Also in Textile Manfr. 64(760):160. April 1938.
1437. Saco-Lowell shops. Saco-Lowell model 32 spinning frame; a detailed description of improved spinning equipment. Ed.2. 55pp. Boston, Saco-Lowell Shops, 1934. 304 Sal v.1
 Production tables for filling, knitting and warp yarns with various twist multipliers are included.
1438. Saco-Lowell shops. Saco-Lowell series 4 twisters; a detailed description of modern twisting equipment. 35pp. Boston, Saco-Lowell Shops, [1937?] 304 Sal v.2
1439. [Textile operating executives of Georgia] Georgia group discusses carding and spinning. Textile Bull. 54(5):3-7,13. Mar.31,1938. (Published by Clark Publishing Co., 118 West Fourth St., Charlotte, N.C.) 304.8 So82
 Report of meeting held at Atlanta, Ga., March 19,1938.
 Also in Textile World 88(5):111-112. April 1938; Amer. Wool and Cotton Reprtr. 52(12):21-24. Mar.24,1938; Cotton [Atlanta] 102(4):88-93. April 1938; Amer. Wool & Cotton Reprtr. 52(13):7-8,32-33. Mar.31,1938.

1440. W., F. Mule spinning practice. Useful points on the care of taking-in mechanisms. Textile Weekly 21 (525):402,405. Mar.25,1938. (Published at 49, Deansgate, Manchester, 3, England) 304.8 T3127
1441. Willis, H.H., Dunlap, G.H., and Moore, Vernetta B. Cotton Spinning. 141pp. Washington, Textile Foundation, 1938.
 "This course of instruction on cotton spinning is one of a series of texts on cotton yarn manufacture."

See also Item no. 1404.

Technology of Consumption

1442. Barre, C.B., and Omohundro, E.H. Consumer package for shelled raw peanuts. Duplex cotton bag presents attractive appearance. Peanut Jour. & Nut World 17(6):10-11. Apr.7,1938. (Published at Suffolk, Va.) 77.8 P313
1443. Hays, Margaret B. A consumer classification and specification for cotton turkish towels. Rayon Textile Monthly 19(4):253-254,280. April 1938. (Published at 303 Fifth Ave., New York, N.Y.) 304.8 R21
 References, p.280.
1444. Methods of promoting sales of peanuts through retail trade. Nut displays and placards best silent salesmen. Peanut Jour. & Nut World 17(6):7,9,11. April 1938. (Published at Suffolk, Va.) 77.8 P313
 The new cotton-mesh bag developed by the United States Department of Agriculture is illustrated.
1445. Myers, Lawrence, and Omohundro, E.H. Diversion of cotton and cotton products from their normal channels of trade. U.S. Dept. Agr., Agr. Adjustment Admin., DM&MA MS-41, 23pp. processed. Washington, 1938.
 The diversion program of the Agricultural Adjustment Administration is explained and uses of cotton are illustrated.
1446. Sea Island cotton now used for motor tyres. West India Comm. Circ. 52(1021):458. Nov.13,1937. (Pub-

lished at 14, Trinity Square, London, E.C.3, England) 8 W524

"It is interesting to note that Captain G.E.T. Eyston, the British racing motorist, who now holds the world's speed record for a twelve hours' run, has his car 'Speed of the Wind' fitted with special Dunlop tyres, the cotton in which is West Indian Sea Island. It is probably the first time that Sea Island cotton has been used for this purpose, and Captain Eyston has reported that the tyres are faultless."-Empire Cotton Growing Rev. 15(2):183-184. April 1938.

1447. Tranter, K. Vera. A woman looks at Egyptian cotton-- and tells where its advantages lie. Manchester Guardian Com., Egypt, Apr.1,1938, pp.22,24. (Published at Guardian Bldg., 3 Cross St., Manchester, 2, England) 286.8 M315C

Uses of Egyptian cotton are noted.

See also Items nos. 1329, 1413, 1425, 1468, 1483, 1499, 1505.

COTTONSEED AND COTTONSEED PRODUCTS

1448. Campbell, K.N., Morris, R.C., and Adams, Roger. The structure of gossypol. I. Amer. Chem. Soc., Jour. 59(9):1723-1728. September 1937. (Published at Mills Bldg., Washington, D. C.) 381 Am33J

"An improved method of purifying gossypol is described. An explanation of the various melting points and methods for interconversion of the forms is given. New color reactions of gossypol are listed. The products from the reaction of gossypol and various organic acids are described."

1449. Cotton seeds differ in per cent of cake and oil. Flour & Feed 38(11):20. April 1938. (Published at 407 E. Michigan St., Milwaukee, Wis.) 298.3 F66

Tests made by the Bureau of Agricultural Economics of the United States Department of Agriculture are noted.

1450. Greene, L. Wilson. Chemical microscopy of fats and waxes. IV. Cottonseed oil. Cotton and Cotton Oil Press 39(14):3-4. Apr.2,1938. (Published at 3116-18 Commerce St., Dallas, Tex.) 304.8 C822 Bibliography, p.4.

"A saturated solution of potassium hydroxide in n-butyl alcohol appears to be suitable as a

micro reagent for differentiating between crude and refined cottonseed oils. The reagent is not specific for cottonseed oil in general."

1451. Lund, Charles E. Fats and oils trade of the United States in 1937. 26pp., processed. United States Department of Commerce, Bureau of Foreign and Domestic Commerce, [1938] 157.55 F26
Cottonseed oil imports, exports and production are included.
1452. Morrell, R.S., Barry, T. Hedley, Britton, R.P.L., and Langton, H.M., eds. Synthetic resins and allied plastics. 417pp. London, Oxford University press, 1937. 387.1 M832
References at ends of chapters.
Cellulose plastics, pp.64-85. The treatment of cotton linters is described.
1453. [National cottonseed products association. Educational service.] Cotton contains own "balancers" hidden in the seed. Use of feed products helps grower solve one crop problem in South. Coastal Cattleman 3(9):17. November 1937. (Published at Beaumont, Tex.) 43.8 C63
The third of a series of articles on livestock production and feeding.
"In the opinion of agricultural authorities, cotton will have its maximum value to the South only when cotton, feed and livestock production become inseparable parts of the South's farming system." Cottonseed meal and hulls can be used for feed for livestock.
1454. Romyn, A.E., and Fitt, R.H. Protein supplements for fattening bullocks. A comparison of meat meal, ground nut cake, and cotton seed. Rhodesia Agr. Jour. 35(3):208-212. March 1938. (Published by the Department of Agriculture, Salisbury, Rhodesia) 24-R34
1455. Thornton, M.K., Jr., and Bishop, F.F. The effect of relative humidity of air in contact with cotton seed and cottonseed products upon rate of gain in moisture. Oil Mill Gazetteer 42(9):7, 18-20. March 1938. (Published at Wharton, Tex.) 307.8 O153

1456. Wallis, Everett S., and Chakravorty, P.N. The nature of the sterols in cottonseed oil. Jour. Organic Chem. 2(4):335-340. September 1937. (Published by Williams & Wilkins Co., Mount Royal and Guilford Aves., Baltimore, Md.) 381 J827

See also Items nos. 1272, 1274, 1502, 1507, 1508.

LEGISLATION, REGULATION, AND ADJUDICATION

Legislation

1457. Congressional debate on cotton processing tax. Modern Miller 65(16):17. Apr.16,1938. (Published at 175 West Jackson Blvd., Chicago, Ill.) 298.8 M72
1458. Cotton allotments and general allotments. Farm and Ranch 57(7):21. Apr.1,1938. (Published at 3306 Main St., Dallas, Tex.) 6 T31
The part of the Agricultural Adjustment Act of 1938 relating to allotments for cotton and for other crops is explained.
1459. Farm act will do nothing to aid export market recovery, is view. Guaranty trust company analyzes long range effects of "farm relief." Cotton Trade Jour. 18(15):1,3. Apr.2,1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
The Agricultural Adjustment Act of 1938 is analyzed.
1460. [India. Congress cotton committee.] Congress tackles cotton problem. Cotton committee's report. Indian Textile Jour. 48(569):164. Feb.15,1938. (Published at Military Square, Fort, Bombay, India) 304.8 In2
Recommendations for relieving the situation of the cotton producer are noted.
1461. Jackson, Burris C. The real cotton problem. Cotton Digest 10(26):3,14-15. Apr.2,1938. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822
Address delivered at the annual meeting of the Oklahoma State Cotton Exchange in Oklahoma City on March 26,1938.
The author states that "it must be admitted that the most fundamental question which faces cotton today is that of the tariff."
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1462. Keeping cotton production within bounds. Tex. Farming and Citricult. 14(10):7. April 1938. (Published by E.C. Watson Publishing Co., Harlingen, Tex.) 80 T31
 Editorial on the Agricultural Adjustment Act of 1938.
1463. [Murchison, Claudius T.] Cotton textile chief warns on processing tax. Doctor Murchison cautions it may yet come up on floor of Senate. Cotton Trade Jour. 18(15):6. Apr. 2, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
1464. Murchison hits wage-hour bill, analyzes danger. Textile institute head asserts passage would bring demoralization. Cotton Trade Jour. 18(18):4. Apr. 23, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
 Extracts from a letter sent by Dr. Claudius T. Murchison to cotton mills are given.
1465. Nicaragua. Ministerio de agricultura y trabajo. Memoria del secretario de estado en los despachos de agricultura y trabajo, Ingeniero J. Roman Gonzalez, presentada al congreso nacional, 1936. 113pp. Managua, D.N., 1937. 8 N51M
 Ley sobre el control del "picudo" del algodonero (*Anthonomus Grandis*), (Law on the control of the cotton boll weevil (*Anthonomus Grandis*)), pp. 7, 53-54.
1466. Ousley, Clarence. Defense of crop control. Cotton and Cotton Oil Press 39(17):16. Apr. 23, 1938. (Published at 3116-18 Commerce St., Dallas, Texas.) 304.8 C822
 Editorial on a statement by Hon. Marvin Jones, chairman of the House Committee on Agriculture.
1467. A resolution condemning editorial in American Cotton grower reflecting upon the House of representatives. S.C. Market Bull. 18:1. Apr. 14, 1938. (Published by Department of Agriculture, Commerce and Industries, Anderson, S.C.) 280.39 So8
 A resolution passed by the House of Representatives of South Carolina is given. It relates to their investigation of cotton classing by the American Cotton Co-operative Association.

1468. U.S. Congress. House. Committee on appropriations. Agricultural department appropriation bill for 1939. Hearings... Seventy-fifth Congress, third session. 1593pp. Washington, U.S. Govt. print. off., 1938. 1 Ag81Hes

Partial contents: Cotton and other fiber crops and diseases, pp.316-320; Cotton insects, pp.582-588; Cotton-ginning experiments, pp.789-790; Investigations of cotton-picking machines, pp.791-796; Cotton marketing and utilization research, p.805; Cotton standards, testing, and ginning research, p.805; Export-import situation on cotton, p.841; Effect of cotton acreage in foreign countries on production in United States, pp.842-844; [Imports of cottonseed oil], pp.859-860; Inspection and certification of cottonseed, pp.888-890; Market news service on cottonseed, pp.900-901; Cotton quality statistics and classing acts, pp.934-943; United States Cotton Futures and United States Cotton Standards Acts, pp.943-946; Proportion of cotton and rayon to silk hosiery consumed in United States, pp.957-964.

See also Items nos. 1247, 1367, 1486, 1506.

Regulation

1469. AAA construes new farm act's loan provisions. Cautions against surrender of title, and against equities traffic. Cotton Trade Jour. 18(15):6. Apr.2, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
1470. AAA promises additional cotton land. Cotton Digest 10(23):8. Apr.16,1938. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822
Increase in total acreage to be allotted is noted.
1471. And they all voted aye. Staple Cotton Rev. 16(3):1-5. March 1938. (Published by the Staple Cotton Cooperative Association, Greenwood, Miss.) 72.8 St22
The Agricultural Adjustment Act of 1938 and the referendum under it are discussed.
1472. Colombia. Baled cotton and cotton weaving materials-- Special approval to be required for import licenses. Com. Reports no.14, p.314. Apr.2,1938. (Published by U.S. Bureau of Foreign and Domestic Commerce, Washington, D.C.) 157 C76D

1473. Control of plant equipment of the textile industry. Mitsubishi Monthly Circ. no.173, p.22. March 1938. (Published by Mitsubishi Economic Research Bureau, Marunouchi 3, Tokyo, Japan) 230.8 M69
An order of the Ministry of Commerce and Industry of Japan is noted.
1474. Price adjustment payments on loan cotton. Farm and Ranch 57(7):9. Apr.1,1938. (Published at 3306 Main St., Dallas, Tex.) 6 T31
Rights of producers under the Agricultural Adjustment Act of 1938 are explained.
1475. Quota victory started argument. Farmer-Stockman 51(7):208. Apr.1,1938. (Published at Oklahoma City, Okla.) 6 Ok45
The result of the vote on the cotton acreage quotas under the Agricultural Adjustment Act is noted.
1476. South Texas cotton quotas. Tex. Farming and Citricult. 14(10):13. April 1938. (Published by E.C. Watson Publishing Co., Harlingen, Tex.) 80 T31
1477. U.S.S.R. TSentral'naya karantinnaya laboratoriya. Report on pests and diseases intercepted by the Quarantine service in U.S.S.R. on imported plant-materials during 1934-35. 203pp. Moscow, 1937. 464.9 Un32
Text in Russian. English translation of [preface], pp.IX-XI; introduction, pp.XVI-XVIII, and titles of tables. Latin names given for insects. Pectinophora gossypiella, pp.15-16.
1478. [U.S. Department of agriculture. Agricultural adjustment administration.] 1938 cotton quotas for Texas counties. Tex. Co-op. News 18(4):2. Apr.15,1938. (Published by Texas Co-operative Publishing Co., Inc., 601 Taylor St., Fort Worth, Tex.) 72.9 T315F
1479. U.S. Department of agriculture. Commodity exchange administration. Amendments to rules and regulations of the Secretary of agriculture under the Commodity exchange act. Fed. Register 3(76):918-919. Apr.19,1938. (Published by National Archives, Washington, D.C.) 169 F31

1480. Vote on cotton quotas carries. Farmers vote overwhelmingly in favor of 1938 program. Okla. Cotton Grower 18(7):1. Mar.15,1938. (Published at 10 West Sixth St., Oklahoma City, Okla.) 72.8 Ok4

"There has been a feeling among Oklahoma farmers from the beginning of the production control activities that Oklahoma was at a disadvantage in her allotments owing to the fact that during the original base period Oklahoma farmers had reduced their acreage out of proportion to the acreage of other states and that because of this, the state's base was below the average of the South. The feeling still exists that under the present statute Oklahoma's acreage allotment is unfairly low."

See also Item no. 1510.

Adjudication

1481. United States Supreme court denies government petition for review of ruling on Bankhead cotton control act. Com. & Financ. Chron. 146(3799): 2470. Apr.16,1938. (Published by William B. Dana Co., 25 Spruce St., New York, N.Y.) 286.8 C73

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1482. Agriculture and animal husbandry in India, 1935-36. 411pp. Delhi, Manager of publications, 1937. 22 Ag82A

Issued under the authority of the Imperial Council of Agricultural Research.

Partial contents: Economic work on crops--Cotton, pp.44-64; Plant-breeding and genetics--Cotton, pp.173-174; Plant physiology--Cotton, pp.179-181; Plant diseases--Cotton, p.188; Entomology--Insect pests--Cotton, pp.202-205.

1483. Arkansas agricultural experiment station. Forty-ninth annual report, fiscal year ending June 30, 1937. Ark. Agr. Expt. Sta. Bull.351, 94pp. Fayetteville. 1938. 100 Ar42

Partial contents: Fertilizers for cotton, pp.11-13; Cotton breeding and improvement, pp.28-32; Cotton fiber investigations, pp.32-35; Metabolism in the cotton plant, pp.35-36; Analysis of some staple cotton fabrics, pp.50-51; Cotton diseases, pp.70-71.

1484. Association of economic biologists, Coimbatore.
 Proceedings...volume IV, 1936. 89pp. Coimbatore,
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 Partial contents: Age of leaf and its relation
 to its nitrogen content in cotton, by V. Ramanatha
 Ayyar and N.C. Tirumalachari, pp.33-39; Control of
 injurious insects in Hawaii by natural parasites,
 by F.C. Hadden, p.77 [Cotton insects mentioned];
 Some cotton problems in China, by Y.J. Chen, p.78;
 Herbaceous cottons of India, by V. Ramanatha Ayyar,
 pp.80-89. References, pp.39 and 89.
1485. [Atlantic cotton association] Southeastern shippers
 rally at Augusta meet despite stormy weather.
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 lished at 810 Union St., New Orleans, La.)
 72.8 C8214
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1486. Briggs, Frank A. Matters of public interest. Farm
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 3306 Main St., Dallas, Tex.) 6 T31
 The author discusses tariff reduction; one-
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 bale.
1487. Burt, Sir Bryce, and Mahta, D.N. The Indian central
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1488. Cotton research foundation. A plan and a program.
 12pp. Memphis, 1938.
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1489. D., H. La guerre secrète pour le coton. Associa-
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 36(30):41-44. April 1938. (Published at 55, Rue
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 The secret war for cotton.

1490. De Bauw, A. Un voyage en Egypte à l'occasion du XVIII Congrès international du coton. Comité Cotonnier Congolais, Bulletin Trimestriel 3(9): 25-32. April 1938. (Published at 27, rue du Trône, Brussels, Belgium)

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1491. Discuss weight loss at annual meet in Jackson. Mississippians say ginning improvement must come from ginners. Cotton Trade Jour. 18(16):3. Apr. 9, 1938. (Published at 310 Union St., New Orleans, La.) 72.8 C8214

Report of first annual meeting of the Mississippi Cotton Compress and Cotton Warehouse Association at Jackson, Miss., April 4, 1938.

1492. Doane, D. Howard. Industrial specifications for cotton. Farm Chemurgic Jour. 1(2):59-62. March 1938. (Published at 654 Madison Ave., New York, N.Y.) 381 F22

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1493. Empire cotton growing corporation. Progress reports from experiment stations, season 1936-1937. 129pp. London, 1938. 72.9 G79Rs

1494. Empire cotton growing corporation. The work of the experiment stations, season 1936-37. An explanatory review by W. Nowell. 35pp. [London] 1938. 72.9 G79Rse

1495. Gold coast colony. Department of agriculture. Report... for the year 1936-37. 21pp. Accra, Govt. printer, 1937. 24 G56

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1499. Hussein Enan. The cotton congress of 1938. Finding
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 Guardian Bldg., 3 Cross St., Manchester, 2, Eng-
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 at Liberty Bank Bldg., Dallas, Tex.) 280.8 T31

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1501. National foreign trade convention. Official report
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 November 3,4,5,1937, with introduction by James
 A. Farrell. 545pp. New York, National Foreign
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Final declaration...Agricultural exports,
 p.xviii; Influence of foreign trade on American
 agriculture and resulting effect upon industry,
 by Oscar G. Johnston, pp.344-357; Agriculture's
 stake in foreign trade, by Chester C. Davis,
 pp.459-468; Cotton--Mr. A.D. Simpson presents
 views of Mr. W.L. Clayton, pp.468-477; General

discussion, by Donald F. Christy, pp.477-480; Sale of Brazilian cotton, by Oswaldo Aranha, pp.481-482. Noted in Cotton Digest 10(6):9. Nov.13,1937; and Cotton Trade Jour. 17(46):1. Nov.13,1937.

1502. North Carolina agricultural experiment station. Fifty-eighth annual report...for the fiscal year ending June 30,1935. Progress report for year ending December 1,1935. 81pp. Raleigh, [1936] 100 N81

Partial contents: Cotton investigations-- fertilizers, varieties and breeding, pp.32-35; Cotton fiber research studies, pp.35-38; Vitamin A studies in cottonseed meal with beef cattle, pp.48-49.

1503. Oldham master cotton spinners association ltd. Report of the committee for year ended December 31st, 1937 together with lists of the committee and members. 106pp. Oldham, Thos. Dornan ltd., 1938. 72.9 011

1504. Olney, Louis A. Value of textile education to the textile industry. Amer. Dyestuff Reprtr. 27(5): 117-122. Mar.7,1938. (Published by Howes Publishing Co., Inc., 440 Fourth Ave., New York, N.Y.) 306.8 Am3

An address presented at the annual meeting of the Ontario Section of the Canadian Association of Textile Colourists and Chemists, at Hamilton, Ontario, Canada, February 5,1938.

The author discusses the following phases of the textile education: apprentice system; trade and vocational school; technical school; trade associations; articles in journals; textile research. The history of the Lowell Textile Institute and of the Textile Foundation are noted.

1505. Organization of the American society for testing materials. Amer. Dyestuff Reprtr. 27(4):P98-P99. Feb.21,1938. (Published by Howes Publishing Co., Inc., 440 Fourth Ave., New York, N.Y.) 306.8 Am3
Properties of mechanical fabrics and fabrics for consumer trade are noted.

1506. Pearse, Arno S. Algodón. Boletín Agrícola 9(216): 627-634. July 1936. (Published at Medellín, Colombia) 9.4 Sol
Cotton.

"In a conference held by A.S. Pearse, who formed part of the English Commission for the study of

cotton cultivation, measures for the improvement of cotton cultivation in Colombia are discussed; among which being the establishment of Seed Stations for the obtention of uniform quality seed; elimination of practically abandoned cotton fields as these serve as centres of infestation of diseases and pests; prohibition by the Government of importation of seeds from other countries; legal measures against fraudulent practices; establishment of a Cotton Service and the study of American methods by sending growers for a year's work in the plantations."-Bibliog. Trop. Agr., 1936, p.206. 1937.

1507. Sociedad nacional agraria (Lima, Peru). Memoria que la junta directiva...presenta a la asamblea general ordinaria, ano 1935-36. 159pp. Lima, 1937. 9.8 Soll

Memoirs that the Board directs...presented to the ordinary general assembly, year 1935-36.

Partial contents: Algodón (cotton), pp.8-10; Semilla de algodón (Cottonseed), pp.23-24; Estadística algodonería, 1935-36 (Cotton statistics, 1935-36), pp.47-55; Algodón, (Cotton cultivation), pp.56-75; Semilla de algodón (cottonseed), pp.127-131.

1508. South Carolina agricultural experiment station. Fiftieth annual report...for the year ended June 30, 1937. 165pp. Clemson, 1937.

Partial contents: The economic aspects of South Carolina's cotton crop, pp.17-18; The coordination of marketing procedures and cotton improvement, p.18; The rate and time of applying potash fertilizers to cotton, pp.30-32; Fusarium wilt of cotton, pp.42-44; The effect of mineral nutrition on the wilt resistance of a resistant and a susceptible variety of cotton, pp.44-45; Variation in cotton fiber length, fineness and maturity in several varieties, p.47; Cotton seedling diseases, pp.49-52; Thrips on seedling cotton, pp.54-57; Cottonseed hulls compared with corn stover as roughages for fattening steers, p.63; The use of cottonseed meal in the chick starting ration, pp.69-72; Cotton variety tests on large plot basis, pp.77-78; Pee Dee Experiment Station: Cotton production studies, pp.89-91; Results from experiments on rate and time of applying potash fertilizers to cotton, pp.91-92; Cooperative breeding, genetic and varietal studies of cotton, pp.92-95; Boll

weevil and miscellaneous cotton insect investigations, pp.95-102; Sandhill Experiment Station: Results from an experiment on rate and time of applying potash fertilizers to cotton, pp.127-129; Results from an experiment upon the use with cotton of various sources of potash salts with and without lime and magnesium sulfate, p.130; Fertilizer placement experiment with cotton, pp.138-140.

1509. Southern shippers meeting today at Memphis, seek sampling change. Dudley Dumas, President, to speak at one-day business session. Cotton Trade Jour. 18(18):1,8. Apr.23,1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

Committee recommendations and the president's address to be given at the annual meeting of the Southern Cotton Shippers Association at Hotel Peabody, Memphis, April 23 are included.

Also in Cotton Digest 10(29):3,12-15. Apr.23, 1938; and Cotton Digest 10(30):13. Apr.30,1938.

1510. [Texas cotton association. Committee on recommendations] Committee reports. Cotton Digest 10 (26):12-13. Apr.2,1938. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822

The committee reported at the 27th annual convention on the following: courses of study in cotton classing; an educational program; improvement of staple of Texas cotton; ocean freight contracts; Commodity Exchange Administration regulations; reciprocal trades agreement program.

1511. [Textile institutes] Council's annual report, balance sheet and accounts for 1937 to be presented at the annual general meeting, Wednesday, 27th April, 1938. Textile Inst. Jour. 29(3):P40-P46. March 1938. (Published at 16 St. Mary's Parsonage, Manchester, 3, England) 73.9 T31

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